





DEVICE FOR STORING COMPRESSED GAS

Patent number: EP1141618
Publication date: 2001-10-10
Inventor: KLOS HOLGER DR (DE); SCHUETZ WALTER DR (DE)
Applicant: MANNESMANN AG (DE)
Classification:
- international: **C01B3/00; F17C11/00; C01B3/00; F17C11/00;** (IPC1-7): F17C11/00; C01B3/00
- european: C01B3/00D2C; F17C11/00D; Y01N6/00
Application number: EP19990967863 19991202
Priority number(s): WO1999DE03916 19991202; DE19981059654 19981215

Also published as:

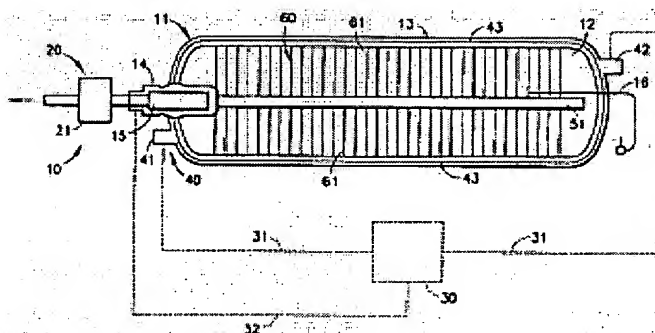
 WO0039499 (A1)
 US6432176 (B1)
 DE19859654 (A1)
 EP1141618 (B1)

Report a data error here

Abstract not available for EP1141618

Abstract of corresponding document: **US6432176**

A closed storage reservoir has at least one feed and discharge line for compressed gas and, in its interior, a gas flow control system which connects the feed and discharge line to a solid filling for storing the compressed gas in the interior. To ensure the highest possible specific storage capacity of the device and to enable the device to be used as a tank system for a fuel cell, the solid filling comprises carbon nanostructures which are joined to form larger, cohesive conglomerates. A device for measuring the filling level of the compressed gas in the storage vessel may be a device for measuring the nuclear magnetic resonance or a device for measuring the mass flow rates of the compressed gas. A temperature sensor and a heating/cooling device having an inlet connection piece and an outlet connection piece for a heating/cooling medium and a cooling passage connected to the connection pieces are provided in order to set a defined temperature in the storage vessel.



Data supplied from the **esp@cenet** database - Worldwide